REMARKS

The claims above have been amended to eliminate the multiple dependent claims and to place them in better condition for examination. The amendments do not narrow the scope of the claims. Their early examination and allowance is respectfully requested.

The Commissioner is also authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No. 50-1170.

Respectfully submitted,

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Dated: January 18 , 2002

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

Amended Claims

Please substitute pending claims 1-6, 10-12, 15-27, 30-33, 36-40, 43-44, and 47-50 with the corresponding amended claims as follows:

1.   (Amended) A system for registration and analysis of data from a practised stage, and for generation of action programs in dependence of the performed analysis, comprising:

        - an input device (104, 105, 302), for entering result data for one or more predetermined parameters from one or several performed stages;

        - a calculating device (106, 304), connected to the input device and devised to calculate, for each of said parameters, a characteristics measurement value for a predetermined characteristics measurement, in dependence of said result data;

        - a profile generation device (106, 308), connected to said calculation device, and devised to generate a characteristics profile by compiling said calculated characteristics measurement values; and characterised by including:

        - a reference database (311) containing a pre-stored normal characteristics profile;

        - a comparison device (312), connected to the profile generation device and the reference database, and devised to generate a comparison profile by comparing said characteristics profile with said pre-stored normal characteristics profile.

2.   (Amended) The system according to claim 1, wherein a device (318) for presentation of the comparison profile is devised to present the comparison profile graphically on a presentation unit (112).

3. (Amended) A system according to ~~claims 1 or~~ claim 2, wherein the comparison device is devised to generate a comparison profile by applying a predetermined mathematical operation to the characteristics profile and the normal profile.

4. (Amended) The system according to claim 3, wherein the comparison device is devised to generate a comparison profile in the form of a difference profile ~~(804)~~, by calculating the difference between characteristics measurement values for each parameter ~~(806, 808, 809, 810, 812, 814)~~ of the characteristics profile and the normal profile.

5. (Amended) The system according to claim 2, wherein said device ~~(318)~~ for presentation of the comparison profile is devised to visualise, for each parameter ~~(1406, 1408, 1409, 1410, 1412, 1414)~~, a current characteristics measurement value ~~(1415)~~ and a normal characteristics measurement value ~~(1416)~~ in the same diagram.

6. (Amended) The system according to claim 1, further comprising a selection device ~~(314)~~ connected to the profile generation device ~~(308)~~ ~~and/~~or the comparison device ~~(312)~~ ~~and/~~or a memory containing a profile data structure ~~(310)~~, and being devised to select, in dependence of said characteristics profile or comparison profile, a pre-stored action program.

10. (Amended) The system according to claim 9, further comprising a device ~~(302)~~ arranged for entering player data for the sports practiser, and wherein said normal profile is based upon corresponding player data, for example age group, sex, handicap or ranking.

11. (Amended) The system according to claim 10, wherein said device (318) for presentation of the comparison profile further is devised to visually present, on said presentation unit (112), the characteristics profile or the comparison profile in the form of a bar diagram (404, 504, 604, 704, 804, 1004, 1104, 1204) having one bar for each game parameter, where the bar height corresponds to the characteristics measurement value.

12. (Amended) The system according to claim 10, wherein said device (318) for presentation of the comparison profile further is devised to visually present, on said presentation unit (112), the characteristics profile or the comparison profile in the form of a curve chart (904, 1404), where the level of the curve for each game parameter corresponds to the characteristics measurement value.

15. (Amended) The system according to claim 10, further comprising a device (314) for maintaining a computer structure for storing of characteristics measurement values in a memory (110).

16. (Amended) The system according to claim 10, further comprising a device (310) for maintaining a computer structure for storing of characteristics profiles in a memory (110).

17. (Amended) A system for registration and analysis of data from a practised stage, and for generation of action programs in dependence independent of the performed analysis, comprising:

- an input device (104, 105, 302), for entering result data for one or more predetermined parameters from one or several performed stages;

- a calculating device (106, 304), connected to the input device and devised to

calculate, for each of said parameters, a characteristics measurement value for a pre-determined characteristics measurement, ~~in dependence~~ independent of said result data;

- a profile generation device ~~(106, 308)~~, connected to said calculation device, and devised to generate a characteristics profile by compiling said calculated characteristics measurement values; and characterised in that said characteristics profile is a profile for a practiser of said stage who achieved said result data, the system further comprising:

- a reference database ~~(311)~~ containing a pre-stored normal characteristics profile calculated from results for a single practiser, or a group of practisers with common properties;

- a comparison device ~~(312)~~, connected to the profile generation device and the reference database, and devised to generate a comparison profile by comparing said characteristics profile with said pre-stored normal characteristics profile. ~~(1+7)~~

18.   (Amended) A system for registration and analysis of data from a practised stage, and for generation of action programs ~~in dependence~~ independent of the performed analysis, comprising:

- an input device ~~(104, 105, 302)~~, for entering result data for one or more predeter-mined parameters from one or several performed stages;

- a calculating device ~~(106, 304)~~, connected to the input device and devised to calculate, for each of said parameters, a characteristics measurement value for a pre-determined characteristics measurement, ~~in dependence~~ independent of said result data;

- a profile generation device ~~(106, 308)~~, connected to said calculation device, and devised to generate a characteristics profile by compiling said calculated characteristics measurement values; and ~~characterised by~~ including:

- a reference database ~~(311)~~ containing a pre-stored normal characteristics profile;

- a comparison device ~~(312)~~, connected to the profile generation device and the

reference database, and devised to generate a comparison profile by comparing said characteristics profile with said pre-stored normal characteristics profile;

- a selection device ~~(314)~~ connected to the profile generation device ~~(308) and/~~or the comparison device ~~(312) and/~~or a memory containing a profile data structure ~~(310)~~, and being devised to select, ~~in dependence~~ independent of said characteristics profile or comparison profile, a pre-stored action program. ~~(1+6)~~

19.   (Amended) A system for registration and analysis of data from a practised stage, and for generation of action programs ~~in dependence~~ independent of the performed analysis, comprising:

- an input device ~~(104, 105, 302)~~, for entering result data for one or more predetermined parameters from one or several performed stages;

- a calculating device ~~(106, 304)~~, connected to the input device and devised to calculate, for each of said parameters, a characteristics measurement value for a predetermined characteristics measurement, ~~in dependence~~ independent of said result data;

- a profile generation device ~~(106, 308)~~, connected to said calculation device, and devised to generate a characteristics profile by compiling said calculated characteristics measurement values; and characterised in that said characteristics profile is a profile for a practiser of said stage who achieved said result data, the system further comprising:

- a reference database ~~(311)~~ containing a pre-stored normal characteristics profile calculated from results for a single practiser, or a group of practisers with common properties;

- a comparison device ~~(312)~~, connected to the profile generation device and the reference database, and devised to generate a comparison profile by comparing said practisers' characteristics profile with said pre-stored normal characteristics profile;

- a selection device ~~(314)~~ connected to the profile generation device ~~(308) and/~~or

the comparison device (312) and/or a memory containing a profile data structure (310), and being devised to select, in dependence independent of said characteristics profile or comparison profile, a pre-stored action program for improving the practisers' performance as revealed by said comparison device. (1+6+7)

20.   (Amended) A system for registration and analysis of data from a practised game round of a sport, and for generation of action programs in dependence independent of the performed analysis, characterised bycomprising:

        - an input device (104, 105, 302), for entering result data for one or more predetermined game parameters from one or several game rounds performed by a sports practiser;

        - a calculating device (106, 304), connected to the input device and devised to calculate, for each of said game parameters, a characteristics measurement value for a predetermined characteristics measurement, in dependence independent of said result data;

        - a profile generation device (106, 308), connected to said calculation device, and devised to generate a characteristics profile by compiling said calculated characteristics measurement values;

        - a reference database (311) containing a pre-stored normal characteristics profile calculated from results for a single practiser of said sport, or a group of practisers with common properties;

        - a comparison device (312), connected to the profile generation device and the reference database, and devised to generate a comparison profile by comparing said characteristics profile with said pre-stored normal characteristics profile. (1+7+part of claim 9)

21.   (Amended) A system for registration and analysis of data from a practised game round of a sport, and for generation of action programs ~~in dependence~~ independent of the performed analysis, ~~characterised by~~comprising:

- an input device ~~(104, 105, 302)~~, for entering result data for one or more predetermined game parameters from one or several game rounds performed by a sports practiser;

- a calculating device ~~(106, 304)~~, connected to the input device and devised to calculate, for each of said game parameters, a characteristics measurement value for a predetermined characteristics measurement, ~~in dependence~~ independent of said result data;

- a profile generation device ~~(106, 308)~~, connected to said calculation device, and devised to generate a characteristics profile by compiling said calculated characteristics measurement values;

- a reference database ~~(311)~~ containing a pre-stored normal characteristics profile calculated from results for a single practiser of said sport, or a group of practisers with common properties;

- a comparison device ~~(312)~~, connected to the profile generation device and the reference database, and devised to generate a comparison profile by comparing said characteristics profile with said pre-stored normal characteristics profile;

- a selection device ~~(314)~~ connected to the profile generation device ~~(308)~~ and/or the comparison device ~~(312)~~ and/or a memory containing a profile data structure ~~(310)~~, and being devised to select, ~~in dependence~~ independent of said characteristics profile or comparison profile, a pre-stored training model for improving the practisers' performance as revealed by said comparison device. ~~(1+6+7+9)~~

22.   (Amended) A computer program product, for use together with a computer processing system ~~(106)~~, for registration and analysis of data from a practised stage, and

for generation of action programs ~~in dependence~~ independent of the performed analysis,
comprising:

- a computer storage medium ~~(111), characterised by~~including:

- means ~~(302)~~, stored on the storage medium, devised to control the computer
processing system to receive the input of result data for one ore more predetermined
parameters from one or several performed stages;

- calculating means ~~(114, 304)~~, stored on the storage medium, devised to control
the computer processing system to calculate, for each of said parameters, a characteristics
measurement value for a predetermined characteristics measurement, ~~in dependence~~
independent of said result data;

- profile generation means ~~(114, 308)~~, stored on the storage medium, devised to
control the computer processing system to generate a characteristics profile by compiling
said calculated characteristics measurement values;

- comparison means ~~(312)~~, stored on the storage medium, devised to control the
computer processing system to generate a comparison profile by comparing said
characteristics profile with a normal profile, pre-stored in a reference database ~~(311)~~.

23.   (Amended) The computer program product according to claim 17, wherein means
~~(318)~~, stored on the storage medium, for presentation of the comparison profile, is
devised to present the comparison profile graphically on a presentation unit ~~(112)~~
connected to the computer processing system.

24.   (Amended) The computer program product according to ~~claims 17 or~~ claim 18,
wherein the comparison means is devised to control the computer processing system to
generate a comparison profile by applying a predetermined mathematical operation to the

characteristics profile and the normal profile.

25. (Amended) The computer program product according to claim 19, wherein the comparison means is devised to generate a comparison profile in the form of a difference profile (804), by calculating the difference between characteristics measurement values for each parameter (806, 808, 809, 810, 812, 814) of the characteristics profile and the normal profile, respectively.

26. (Amended) The computer program product according to claims 17 or claim 18, wherein said means (318) for presentation of the comparison profile is devised to visualise, for each parameter (1406, 1408, 1409, 1410, 1412, 1414), a current characteristics measurement value and a normal characteristics measurement value in the same diagram (1404).

27. (Amended) The computer program product according to claim 17, further comprising selection means (314), stored on the storage medium, devised to control the computer processing system to select, in dependence independent of said characteristics profile or comparison profile, a pre-stored action program.

30. (Amended) The computer program product according to any one of the claims 17 claim 24, wherein said practiser is a sports practiser, said stage is one game round of said sport, said parameter is a game parameter and said action program is a training model for improvement of the practiser's player properties within said sport.

31. (Amended) The computer program product according to claim 25, further comprising means (302), stored on the storage medium, devised to control the computer

processing system to receive input player data for the sports practiser; and wherein said

normal profile is based upon corresponding player data, for example age group, sex,

handicap or ranking.

32.   (Amended) The computer program product according to claim 25, wherein said

means (318) for presentation of the comparison profile further is devised to visually

present, on said presentation unit (112), the characteristics profile or the comparison

profile in the form of a bar diagram (404, 504, 604, 704, 804, 1004, 1104, 1204) having

one bar for each game parameter, where the bar height corresponds to the characteristics

measurement value.

33.   (Amended) The computer program product according to claim 23, wherein said

means (318) for presentation of the comparison profile further is devised to visually

present, on said presentation unit (112), the characteristics profile or the comparison

profile in the form of a curve chart (904, 1404), where the level of the curve for each

game parameter corresponds to the characteristics measurement value.

36.   (Amended) The computer program product according to claim 25, further

comprising means (314), stored on the storage medium, devised to control the computer

processing system to maintain a computer structure for storing of characteristics

measurement values in a memory (110).

37.   (Amended) The computer program product according to claim 25, further

comprising means (310), stored on the storage medium, devised to control the computer

processing system to maintain a computer structure for storing of characteristics profiles

in a memory (110).

38.   (Amended) A method for registering and analysing data from a practised stage, and for generating action programs in dependence-independent of the performed analysis, characterised by comprising the steps of:

        - registering result data (204) for one or more predetermined parameters from one or several performed stages;

        - calculating (206), for each of said parameters, a characteristics measurement value for a predetermined characteristics measurement;

        - generating (298) a characteristics profile by compiling said calculated characteristics measurement values;

        - generating a comparison profile (214) by comparing said characteristics profile with a pre-stored normal profile.

39.   (Amended) The method according to claim 33, further comprising the step of graphically presenting (216) the comparison profile on a presentation unit connected to the computer processing system.

40.   (Amended) The method according to claims 33 or claim 34, further comprising the step of generating a comparison profile by applying a predetermined mathematical operation to the characteristics profile and the normal profile.

43.   (Amended) The method according to claim 33, further comprising the step of selecting (220), in dependence- independent of said characteristics profile or comparison profile, a pre-stored action program.

44.   (Amended) The method according to claim 38, further comprising the step of visually presenting (222) instructions and figures associated with the current action program.

47.   (Amended) The method according to any one of claims 33 __claim 41, whereby said practiser is a sports practiser, said stage is one game round of said sport, said parameter is a game parameter and said action program is a training model for improvement of the practiser's player properties within said sport.

48.   (Amended) The method according to claim 42, further comprising the step of registering player data (204) for the sports practiser; and whereby said normal profile is based upon corresponding player data, for example age group, sex, handicap or ranking.

49.   (Amended) The method according to claim 42, further comprising the step of visually presenting (210, 216) the characteristics profile or the comparison profile in the form of a bar diagram having one bar for each game parameter, where the bar height corresponds to the characteristics measurement value.

50.   (Amended) The method according to claim 42, further comprising the step of visually presenting (210, 216) the characteristics profile or the comparison profile in the form of a curve chart (904, 1404), where the level of the curve for each game parameter corresponds to the characteristics measurement value.